


FORM PTO-1449 US Department of 61730 U.S. PTO Commerce Patent and Trademark Office  02/20/97 INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO. P41 90273	SERIAL NO. 08/704,467
APPLICANT Gallagher et al.		
FILING DATE 08/28/96	GROUP 1511	

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
mk	5,376,403	12/27/94	Capote et al.	427	96	10/1/91
mk	5,463,190	10/31/95	Carson et al.	174	259	4/4/94

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
	NONE					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

mk	—	Gallagher et al., ABSTRACT "Transient Liquid Phase Sintering Conductive Adhesives" 568-573 (1995)
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AND NO OTHERS

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 GROUP 1300

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LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENTAPPLICANT
Capote et al.

(USE SEVERAL SHEETS IF NECESSARY)

FILING DATE
10/17/94GROUP
Unknown

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS IF APPROPRIATE	FILING DATE
<i>mk</i>	AA	2,993,815	7/25/61	TREPTOW	117	212	
	AB	3,256,109	6/14/66	BERGER	117	38	
	AC	3,410,714	11/12/68	JONES	117	46	
	AD	3,679,439	7/25/72	MILGRAM	252	514	
	AE	3,681,135	8/1/72	GRAHAM	106	1	
	AF	3,714,709	2/6/73	LIEDERBACH	29	626	
	AG	3,791,027	2/12/74	ANGELO et al.	148	23	
	AH	3,800,020	3/26/74	PARFET	264	104	
	AI	3,801,364	4/2/74	KOJINA et al.	117	212	
	AJ	3,808,046	4/30/74	DAVEY	252	512	
<i>mk</i>	AK	3,857,798	12/31/74	WALL et al.	252	514	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>mk</i>	AL	134,737	3/24/60	USSR			X
	AM	237,840	7/30/86	GERMANY			X
	AN	239,901	32387	EPO			
	AO	261,868	11/9/88	GERMANY			X
<i>mk</i>	AP	1,190,736	7/23/85	CANADA			

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

mk AR Feeley, Berbst & Schmeckenbecher, Conductive Pastes, IBM Technical Disclosure Bulletin, 12/68*mk* AS "Electricity-Carrying Ink Used in Circuit Boards" Wall Street Journal (9/28/88)*mk* AT "Prototype Tool Turns Out Multilevel Circuit Boards" Electronic Design (5/25/89)

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<i>mk</i>	AA ²	3,904,555	9/9/75	MATSUDA et al.	252	514	
↑	AB ²	3,960,777	6/1/76	COYLE	252	514	
	AC ²	3,983,075	9/28/76	MARSHALL et al.	252	511	
	AD ²	4,000,016	12/28/76	LAZZARINI et al.	148	23	
	AE ²	4,001,146	1/4/77	HOROWITZ	252	514	
	AF ²	4,127,699	11/28/78	AUMILLER et al.	428	461	
	AG ²	4,147,669	4/3/79	SHAHEEN et al.	252	512	
	AH ²	4,186,036	1/29/80	ELMS et al.	427	386	
	AI ²	4,233,103	11/11/80	SHAHEEN	156	331	
↓	AJ ²	4,273,593	6/16/81	MASTRANGELO	148	24	
<i>mk</i>	AK ²	4,278,702	7/14/81	JENQ	427	96	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>mk</i>	AL ²	1,455,513	2/12/74	GREAT BRITAIN			
<i>mk</i>	AM ²	2,054,277	6/27/80	GREAT BRITAIN			
<i>mk</i>	AN ²	49-97,846	8/17/74	JAPAN			X
<i>mk</i>	AO ²	50-100,596	8/9/75	JAPAN			X
<i>mk</i>	AP ²	53-33,389	3/29/78	JAPAN			X

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<i>mK</i>	AA ³	4,293,451	10/6/81	ROSS	252	512	
↑	AB ³	4,327,124	4/27/82	DESMARAIS, JR.	427	96	
	AC ³	4,352,899	10/5/82	TADA et al.	523	451	
	AD ³	4,353,816	10/12/82	IWASA	252	512	
	AE ³	4,368,281	1/11/83	BRUMMETT et al.	523	458	
	AF ³	4,396,666	8/2/83	ERNSBERGER	428	208	
	AG ³	4,400,214	8/23/83	OGAWA et al.	252	512	
	AH ³	4,415,486	11/15/83	BOONSTRA et al.	252	514	
	AI ³	4,429,657	2/7/84	DESMARAIS, JR.	118	114	
↓	AJ ³	4,457,861	7/3/84	DESMARAIS, JR.	252	514	
<i>mK</i>	AK ³	4,459,166	7/10/84	DIETZ et al.	156	89	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>mK</i>	AL ³	53-133,799	11/21/78	JAPAN			
<i>mK</i>	AM ³	54-24,811	2/24/79	JAPAN			X
<i>mK</i>	AN ³	56-32,605	4/2/81	JAPAN			X
<i>mK</i>	AO ³	57-113,505	7/15/82	JAPAN			
<i>mK</i>	AP ³	57-208,002	12/21/82	JAPAN			X

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mk</i>	AA ⁴	4,496,475	11/29/85	ABRAMS	252	514	
	AB ⁴	4,533,685	8/6/85	HUDGIN et al.	523	457	
	AC ⁴	4,557,857	12/10/85	SORENSEN	252	503	
	AD ⁴	4,564,563	1/14/86	MARTIN et al.	252	511	
	AE ⁴	4,575,432	3/11/86	LIN et al.	428	456	
	AF ⁴	4,578,425	3/25/86	SANTORELLI	525	109	
	AG ⁴	4,581,158	4/8/86	LIN	252	511	
	AH ⁴	4,592,861	6/3/86	BEKELE et al.	252	511	
	AI ⁴	4,639,396	1/27/87	SEMSARZADEH	428	373	
	AJ ⁴	4,652,398	3/24/87	GOSWAMI et al.	252	514	
<i>mk</i>	AK ⁴	4,673,532	6/16/87	BARAJAS et al.	252	512	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>mk</i>	AL ⁴	58-42,651	3/12/83	JAPAN	—	—	X
	AM ⁴	58-61,144	4/12/83	JAPAN	—	—	X
	AN ⁴	58-104,969	6/22/83	JAPAN	—	—	X
	AO ⁴	58-127,742	7/29/83	JAPAN	—	—	X
<i>mk</i>	AP ⁴	59-49,272	3/21/84	JAPAN	—	—	X

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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<i>mk</i>	AA ^S	4,678,602	7/7/87	TANAKA et al.	252	513	
↑	AB ^S	4,680,141	7/14/87	BARAJAS	252	512	
	AC ^S	4,683,653	8/4/87	IWASA	29	830	
	AD ^S	4,696,764	9/29/87	YAMAZAKI	252	503	
	AE ^S	4,705,647	11/10/87	YAMAGUCHI et al.	252	512	
	AF ^S	4,731,130	3/15/88	O'LEARY	148	24	
	AG ^S	4,732,702	3/22/88	YAMAZAKI et al.	252	512	
	AH ^S	4,733,018	3/22/88	PRABHU et al.	174	68.5	
	AI ^S	4,740,252	4/26/88	HASAGAWA et al.	148	24	
↓	AJ ^S	4,756,756	7/12/88	CASSAT	106	20	
<i>mk</i>	AK ^S	4,765,929	8/23/88	SHAFFER	252	511	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>mk</i>	AL ^S	59-100,176	6/9/84	JAPAN	—	—	X
↑	AM ^S	59-166,542	9/19/84	JAPAN	—	—	X
	AN ^S	60-149,670	8/7/85	JAPAN	—	—	X
↓	AO ^S	60-243,171	12/3/85	JAPAN	—	—	X
<i>mk</i>	AP ^S	60-245,742	12/5/85	JAPAN	—	—	X

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<i>MK</i>	AA ⁶	4,775,500	10/4/88	FUNAKOSHI et al.	264	22	
	AB ⁶	4,780,371	10/25/88	JOSEPH et al.	523	457	
	AC ⁶	4,786,437	11/22/88	EHRREICH	252	506	
	AD ⁶	4,789,411	12/6/88	EGUCHI et al.	148	24	
	AE ⁶	4,803,543	2/7/89	INAYOSHI et al.	357	72	
	AF ⁶	4,808,434	2/28/89	BENNETT et al.	427	96	
	AG ⁶	4,816,184	3/28/89	FUKUDA et al.	252	511	
	AH ⁶	4,820,446	4/11/89	PRUD'HOMME	252	511	
	AI ⁶	4,830,779	5/16/89	MAENO et al.	252	512	
	AJ ⁶	4,836,955	6/6/89	EHRREICH	252	512	
<i>MK</i>	AK ⁶	4,859,268	8/22/89	JOSEPH et al.	156	275.5	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>MK</i>	AL ⁶	61-57,660	3/24/86	JAPAN	—	—	X
	AM ⁶	61-261,375	11/19/86	JAPAN	—	—	X
	AN ⁶	61-287,974	12/18/86	JAPAN	—	—	X
	AO ⁶	62-156,176	7/11/87	JAPAN	—	—	X
<i>MK</i>	AP ⁶	62-160,603	7/16/87	JAPAN	—	—	X

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<i>mk</i>	AA ⁷ 4,872,928	10/10/89	JACOBS	148	24	
↑	AB ⁷ 4,874,548	10/17/89	HAJOVSKY	252	511	
	AC ⁷ 4,880,570	11/14/89	SANBORN et al.	252	512	
	AD ⁷ 4,882,227	11/21/89	IWASE et al.	428	407	
	AE ⁷ 4,888,135	12/19/89	TSUNAGA et al.	252	512	
	AF ⁷ 4,894,184	1/16/90	FUKUOKA et al.	252	512	
	AG ⁷ 4,940,498	7/10/90	RUBIN	148	23	
	AH ⁷ 4,971,727	11/20/90	TAKAHASHI et al.	252	511	
↓	AI ⁷ 4,996,005	2/26/91	SAITO et al.	252	512	
<i>mk</i>	AJ ⁷ 3,502,609	3/24/70	BARIE et al.	260	37	
	AK ⁷					

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>mk</i> AL ⁷ 63-39,947	2/20/88	JAPAN	—	—	X
↑ AM ⁷ 63-81,185	4/12/88	JAPAN	—	—	X
AN ⁷ 63-125,582	5/28/88	JAPAN	—	—	X
↓ AO ⁷ 63-223,072	9/16/88	JAPAN	—	—	X
<i>mk</i> AP ⁷ 63-235,369	9/30/88	JAPAN	—	—	X

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	AC ⁸					
	AD ⁸					
	AE ⁸					
	AF ⁸					
	AG ⁸					
	AH ⁸					
	AI ⁸					
	AJ ⁸					
	AK ⁸					

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>mk</i>	AL ⁸ 63-277,279	11/15/88	JAPAN	—	—	X
<i>mk</i>	AM ⁸ 63-298,908	12/6/88	JAPAN	—	—	X
<i>mk</i>	AN ⁸ 63-301,405	12/8/88	JAPAN	—	—	X
<i>mk</i>	AO ⁸ 64-81,866	3/28/89	JAPAN	—	—	X
<i>mk</i>	AP ⁸ 1-204,966	8/17/89	JAPAN	—	—	X

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<i>mk</i>	AL ⁹	1-132,652	5/25/89	JAPAN	—	—	X
<i>mk</i>	AM ⁹	2-66,802	3/6/90	JAPAN	—	—	X
<i>mk</i>	AN ⁹	2-66,803	3/6/90	JAPAN	—	—	X
<i>mk</i>	AO ⁹	55-160,072	12/12/80	JAPAN	—	—	X
<i>mk</i>	AP ⁹	WO 89/11209	11/16/89	PCT	—	—	

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